

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims, in which no claims are canceled, currently amended, and newly presented. Claims 25-27 were previously withdrawn.

1. (Original) A system for identifying fraud in a telecommunications system, the system for identifying fraud comprising at least one processor, memory and related software, the at least one processor receiving data related to a current call placed from an originating automatic number indicator (ANI) to a terminating ANI, the received data including at least the terminating ANI and a billing number, the processor retrieving from memory billing numbers for prior calls to the terminating ANI, if any, and an indicia of the time of the call, and the processor also determining whether the number of billing numbers used for the current and prior calls to the terminating ANI over a prior period of time falling within a time interval satisfying a threshold, a fraud alert being generated if the threshold is satisfied.

2. (Original) The system as in Claim 1, wherein the billing numbers and indicia of time for prior calls to the terminating ANI are included in calling records stored in the memory, each calling record containing data for one prior call to the terminating ANI, the calling record being referenced by terminating ANI and including the billing number used for the call and an indicia of the time of the call.

3. (Original) The system as in Claim 2, wherein a calling record is created for the current call.

4. (Original) The system as in Claim 1, wherein the threshold number and time interval corresponding to at least one terminating ANI is included in a look-up table stored in the memory.

5. (Original) The system as in Claim 4, wherein at least some terminating ANIs in the look-up table have two or more threshold numbers and time intervals corresponding thereto, the two or more thresholds and time intervals corresponding to each such terminating ANI referenced by one or more additional factors.

6. (Original) The system as in Claim 5, wherein the one or more additional factors are selected from the time of day, the day of the week, the type of originating ANI of the current call, the category of billing product used for the current call and the type of billing product used for the current call.

7. (Original) The system as in Claim 6, wherein the data received by the processor related to the current call to the terminating ANI includes data corresponding to the one or more additional factors, and the processor selects one of the thresholds and time intervals for the terminating ANI using the received data corresponding to the one or more additional factors.

8. (Original) The system as in Claim 1, wherein the prior period of time spans from the time of the current call backwards in time equal to the time interval, the processor counting the number of different billing numbers for the current call and all prior calls to the terminating ANI that fall

within the prior period of time and comparing the number with the threshold.

9. (Original) The system as in Claim 1, wherein data related to the current call is received by the at least one processor from components of said telecommunications system that receive and process special services calls.

10. (Original) A method of identifying fraud in a telecommunications system, the method comprising the steps of

a) receiving data related to a current call placed from an originating ANI to a terminating ANI, the received data including at least the terminating ANI and a billing number;

b) retrieving billing numbers for prior calls to the terminating ANI, if any, and corresponding indicia of the times of the calls;

c) determining whether the number of billing numbers used for the current and prior calls to the terminating ANI over a prior period of time falling within a time interval satisfies a threshold number; and

d) generating a fraud alert if the threshold number is satisfied.

11. (Original) The method as in Claim 10, wherein the billing numbers and indicia of time for prior calls to the terminating ANI are retrieved from stored calling records, each calling record containing data for one prior call to the terminating, ANI, the calling record being referenced by the terminating ANI and including the billing number used for the call and an indicia of the time of the call.

12. (Original) The method as in Claim 11, the method including the additional step of creating a calling record for the current call and storing the calling record, the calling record including the terminating ANI, the billing number and an indicia of the time of the call, the calling record being referenced in the memory by the terminating ANI.

13. (Original) The method as in Claim 10, including the additional step of retrieving the threshold number and time interval for the terminating ANI.

14. (Original) The method as in Claim 13, wherein the step of retrieving the threshold number and time interval for the terminating ANI includes selecting among two or more threshold numbers and time intervals for the terminating ANI.

15. (Original) The method as in Claim 14, wherein one of the two or more threshold numbers and time intervals for the terminating ANI are selected based upon one or more additional factors.

16. (Original) The method as in Claim 15, wherein the data relating to the one or more additional factors is received with the data related to the current call.

17. (Original) The method as in Claim 10, wherein, the step of determining whether the number of billing numbers used for the current and prior calls to the terminating ANI over a prior period of time falling within the time interval satisfies the threshold number includes counting the number

of different billing numbers for the current call and all prior calls to the terminating ANI spanning from the time of the current call backwards in time equal to the time interval and comparing the count of different billing numbers with the threshold number.

18. (Original) The method as in Claim 10, wherein the generation of a fraud alert initiates processing related to prevention of fraudulent calling to the terminating ANI.

19. (Original) The method as in Claim 10, wherein the threshold is satisfied if it is met or exceeded.

20. (Original) The method as in Claim 10, wherein the threshold is satisfied if it is exceeded.

21. (Original) The method as in Claim 10, wherein the prior period of time is less than or equal to the time interval.

22. (Original) The method as in Claim 10, wherein the prior period of time is less than the time interval.

23. (Original) The method as in Claim 10, wherein the step of generating a fraud alert is followed by further processing, including the step of blocking subsequent calls to the terminating ANI.

24. (Original) The method as in Claim 10, wherein the step of generating a fraud alert is followed by further processing, including the step of blocking subsequent calls that use the billing numbers used for the current and prior calls to the terminating ANI.

25. (Withdrawn) A method of identifying fraud in a telecommunications system, the method comprising the steps of

- a) receiving data related to a current call placed to a terminating ANI, the received data including the terminating ANI and a billing number;
- b) storing the received data and an indicia of the time of the call;
- c) at an initiating event, retrieving the billing numbers and corresponding indicia of times of calls to the terminating ANI;
- d) determining whether the number of billing numbers used for calls to the terminating ZNI over a prior period of time falling within a time interval satisfies a threshold; and
- e) generating a fraud alert if the threshold is satisfied.

26. (Withdrawn) The method as in Claim 25, wherein the initiating event is the receipt of data related to the current call placed to the terminating ANI.

27. (Withdrawn) The method as in Claim 25, wherein the initiating event is the elapse of a period of time.